



# US ARMY INFANTRY SCHOOL



**Mr. Durante**  
**Infantry Pre-Command Course**  
**Operational Environment / Urban Operations**  
**Doctrine and Training**



# Purpose:

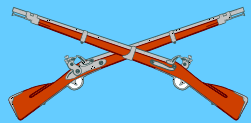


To

**Provide an Overview of US Army Doctrine and Training for Urban Operations (UO).**

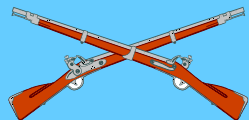
- Operational Environment
- Historical Context
- Doctrine
- Training Strategy





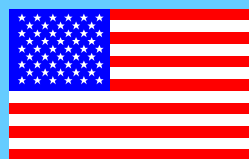
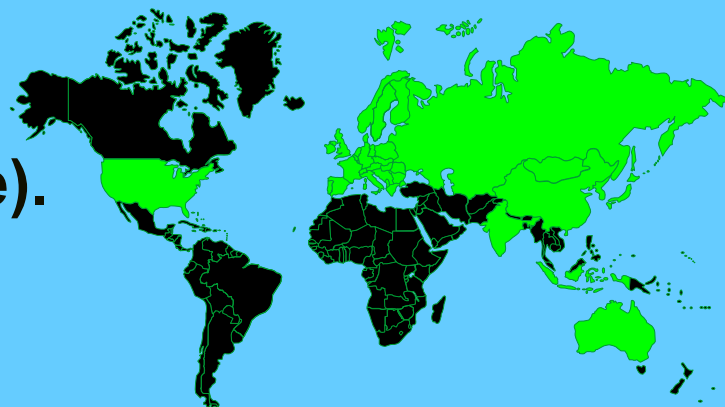
# THREATS IN TODAY'S OPERATIONAL ENVIRONMENT

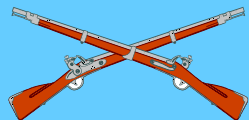




# SOVEREIGN NATION-STATE PLAYERS

- Core States (major powers).
- Transition States (want-to-be).
- Rogue States (hostile).
- Failed or failing States (unstable).
- States that switch categories.
- Multinational alliances and coalitions.

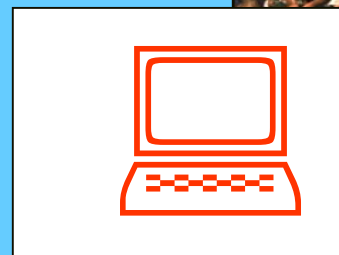
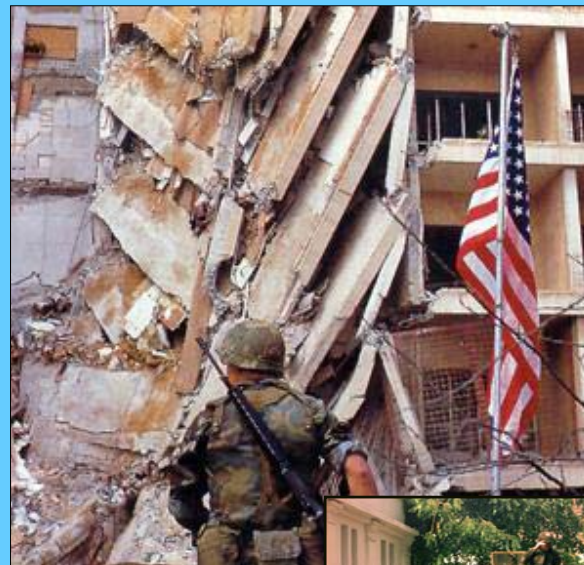




# NON-NATIONAL PLAYERS

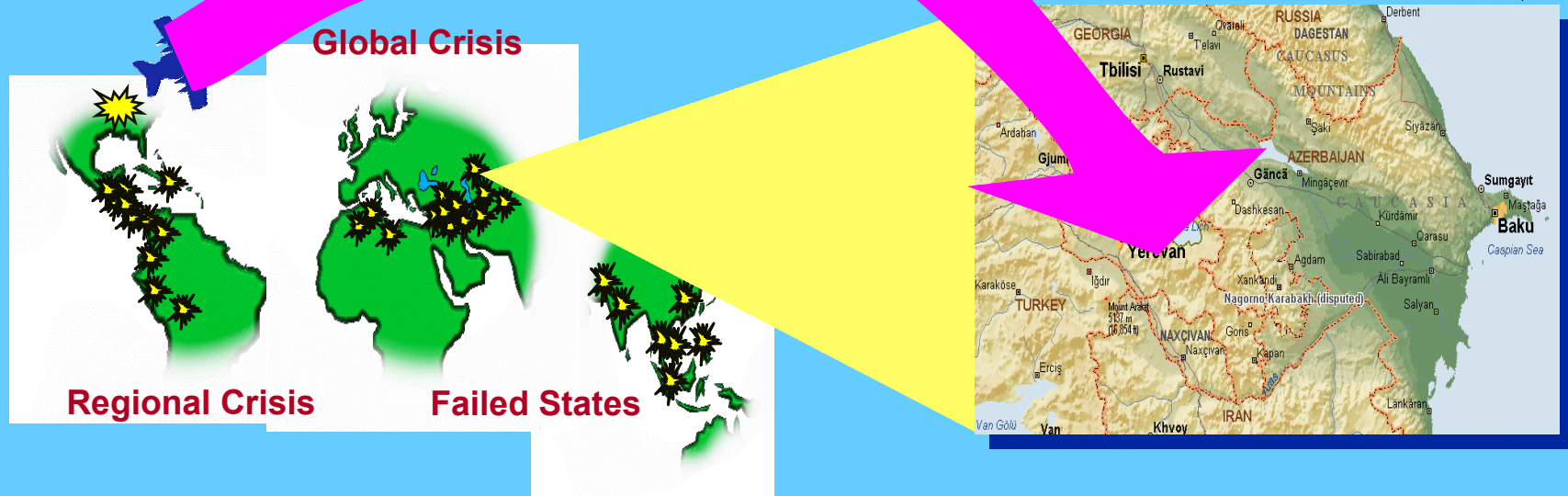
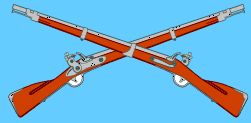


- Terrorists.
- Drug-traffickers.
- Criminals.
- Humanitarian organizations
- Civil populations
- Multinational corporations

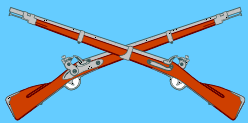


**C.A.R.E.**

# Changing Aggression Pattern



- Exact **location or nature of opposition impossible to predict** – enemy will observe, analyze, think, and adapt
- Opponents **will seek regional dominance and worldwide influence**
- **Transnational access denial strategy against US homeland**
- Time is **critical** factor to the enemy; will **seek quick victory** before US can be decisive or **wait US out**, induce casualties, fracture coalition and **force a settlement**



# Preparing for an Uncertain Future



*Wide ranging missions...*



PME

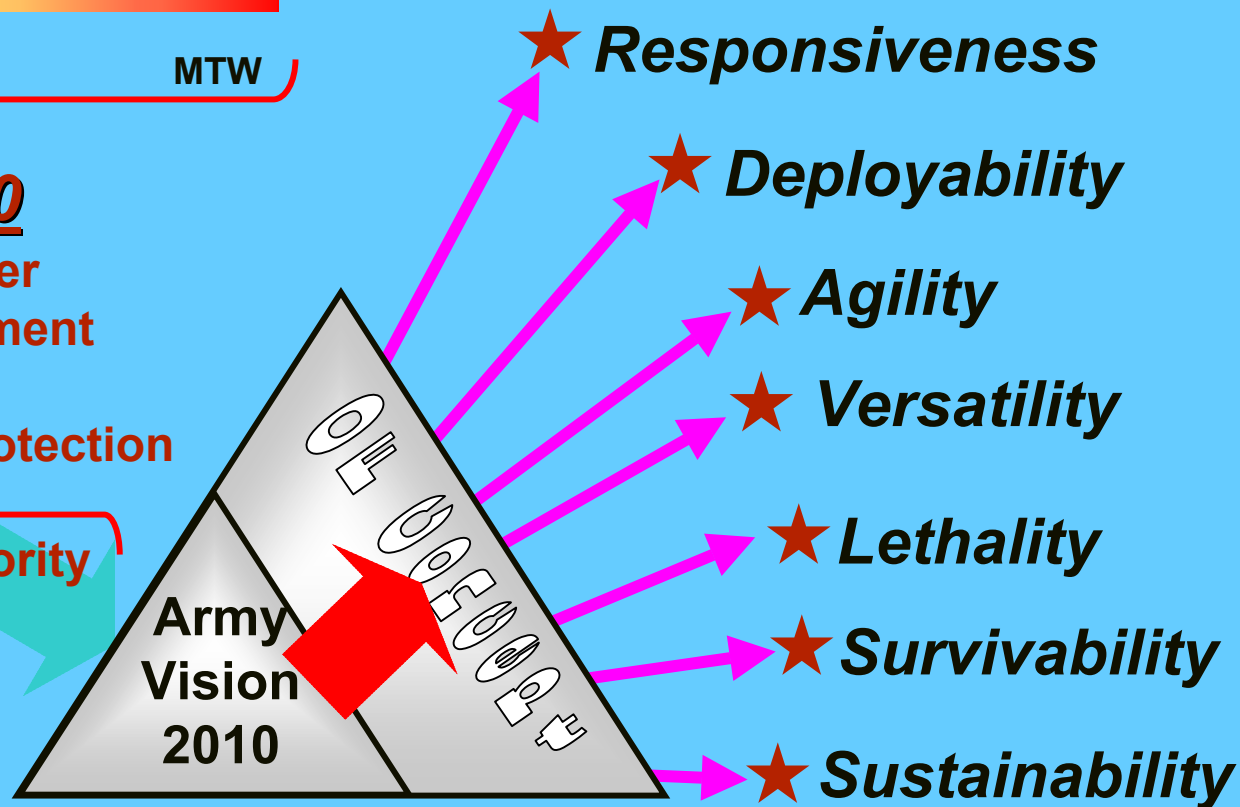
SSC

MTW

## JV 2020

- Dominant Maneuver
- Precision Engagement
- Focused Logistics
- Full-Dimension Protection

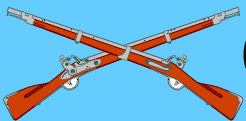
Information Superiority  
Innovation via  
Technologies



*Nature of War is constant*

*Conduct of War depends on the environment*





# Changing Operational Environment



*We must account for these variables :*

**Increasingly sophisticated opponents . . .  
... combining adaptive strategies, mass and  
momentum, precision fires, and precision maneuver.**

**. . .exploiting all terrain sets . . .**

**With urban becoming more  
likely**

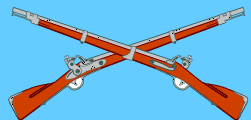
**and weather conditions,**

**. . .executing asymmetric operations**



***Infantry . . . On Point for the Army***



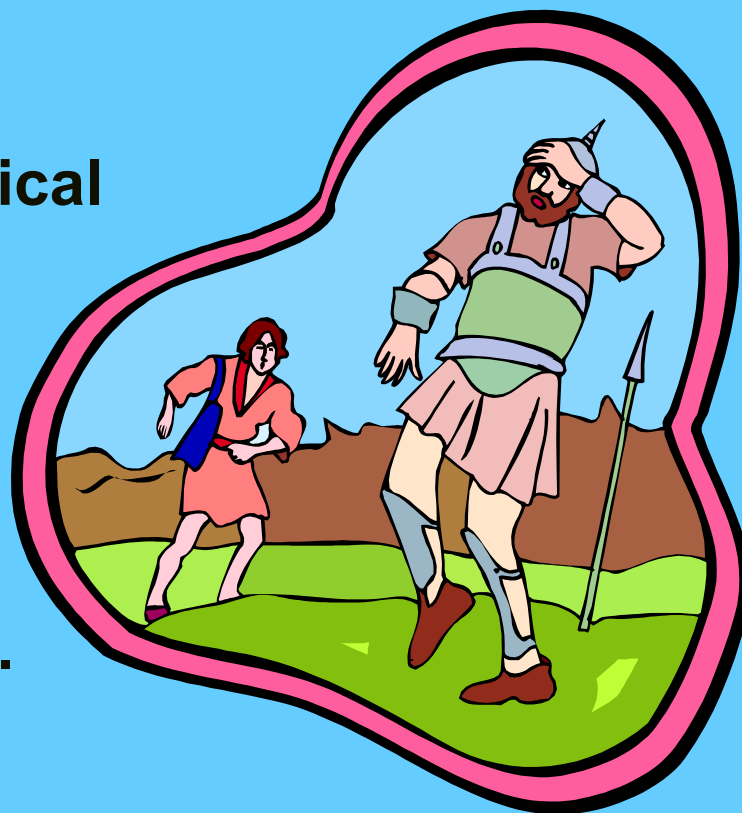


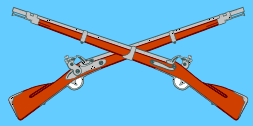
# ASYMMETRIC WARFARE



- Avoid the US strengths.
- Use every advantage you have against US weaknesses.
- Capitalize and exploit tactical surprise.

**Our enemies are not going to fight “our” kind of war. We must be ready for that.**



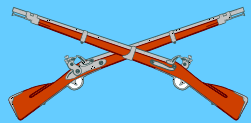


# PHYSICAL ENVIRONMENT



- Open, Less complex environments favor the US.
- Enemies will try to use urban environments and other complex terrain to their advantage.

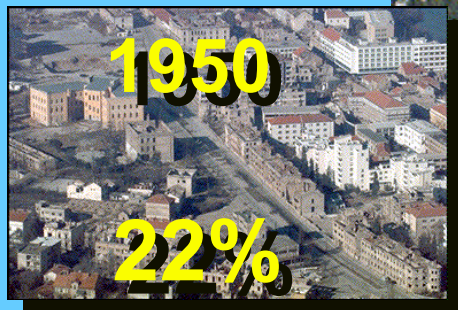




# INCREASED URBANIZATION HIGHER PROBABILITY OF URBAN OPS



Percentage of  
Population Living in  
Large Urban Areas

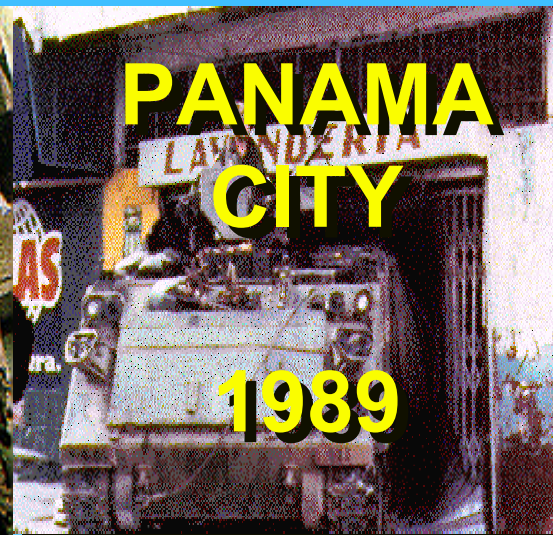


“Cities are the  
most likely battlefield in  
the 21st century...”

Defense Science Board 1996



# 225 YEARS OF URBAN COMBAT EXPERIENCE





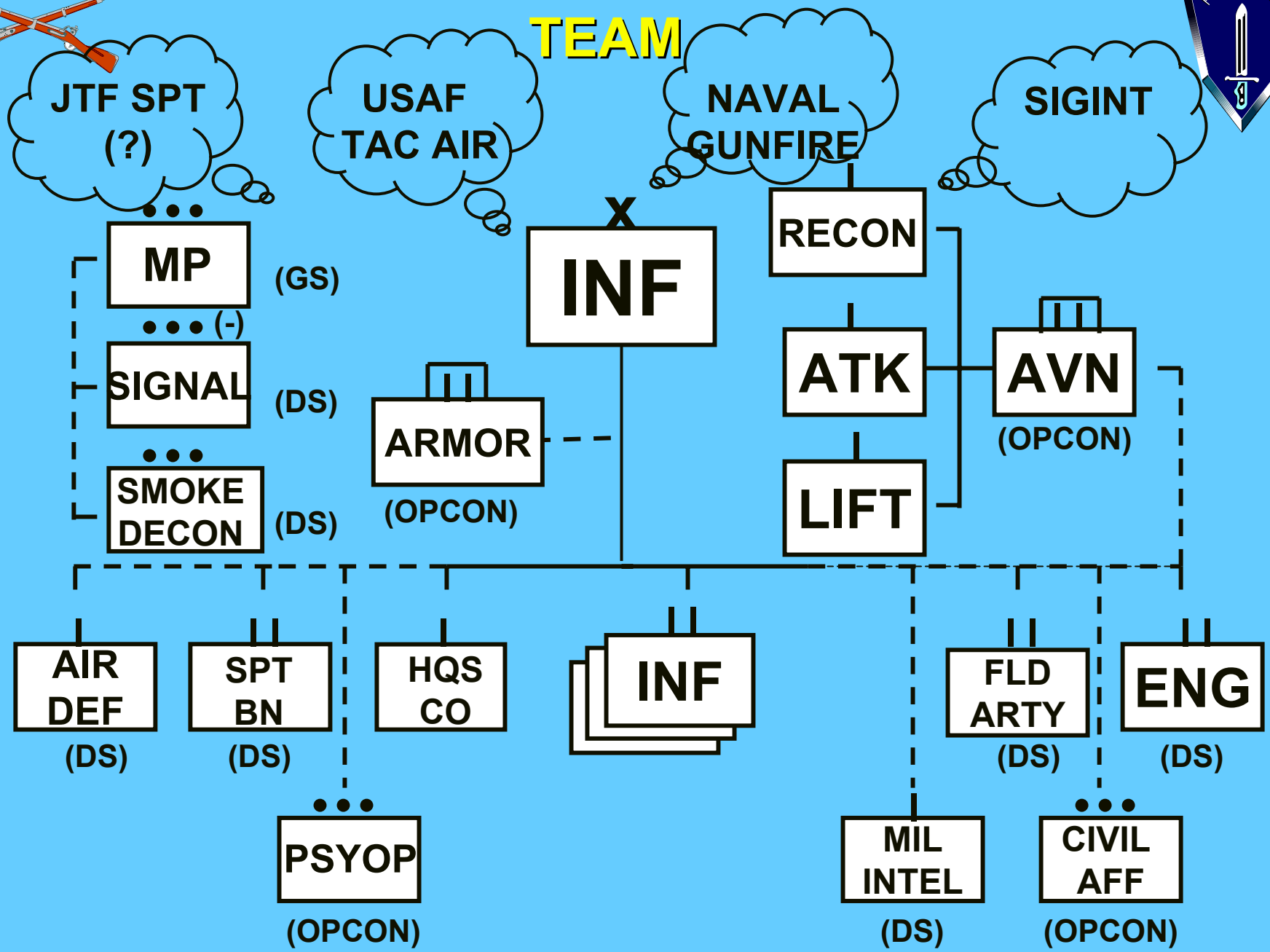
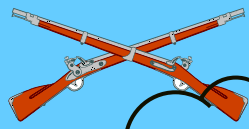


# ***MOUT DOCTRINE PREVIOUS FOCUS***

- **Conventional Threats**
- **High Intensity Combat**
- **Phased Operations**
- **Combined Arms**

DIETZ

# HISTORICAL COMBINED ARMS TEAM





# ***Deliberate Attack... Phases***



**Recon the Objective**

**Move to the Objective**

**Isolate the Objective**

**Secure a Foothold**

**Clear the Objective**

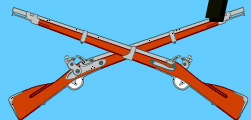
**Consolidate**

**Reorganize**



***Infantry . . . On Point for the Army***

# FULL SPECTRUM OPERATIONS



- DOMESTIC SPT OPS
- HUMANITARIAN ASST

- PEACE OPS
- FOREIGN INTERNAL DEFENSE
- CBT TERRORISM
- SPT TO CTR DRUG

- NEO
- SPT TO INSURGENCIES
- SECURITY ASST
- HUMANITARIAN & CIVIL ASST
- ARMS CONTROL
- SHOW OF FORCE



SUPPORT

STABILITY

**FULL  
SPECTRUM  
OPS**

DEFENSE

OFFENSE

**METT-TC  
ROE**

**METT-TC  
ROE**

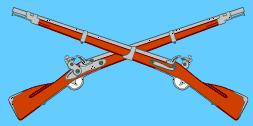
- MOBILE DEFENSE
- AREA DEFENSE
- RETROGRADE

- ATTACK
- MVMT TO CONTACT
- EXPLOITATION
- PURSUIT



*Infantry . . . On Point for the Army*

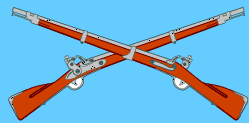




# **TODAY'S TACTICAL CHALLENGES**



- **Noncontiguous Areas of Operations**
- **Symmetrical and Asymmetrical Threats**
  - **Lethal & Non-lethal Effects**
    - **Media on Battlefield**
- **Clearing Enemy From Fortified Buildings**
  - **Collateral Damage/noncombatant Casualties**
- **Transitioning From SASO to Combat and Back**



# EMERGING DOCTRINE



PANAMA CITY-MOGADISHU-SARAJEVO-GROZNY

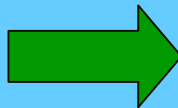
1979

2001

*"...Built-up areas are isolated and bypassed..."*

*FM 90-10 MOUT*

1990



*"...Army forces will likely be required to conduct operations in and around large urban areas..."*

*FM 3-06 Urban Operations (Final Draft)*

- **ASSESS...**

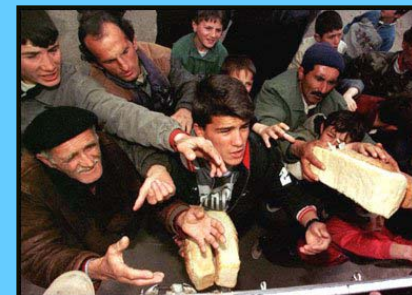
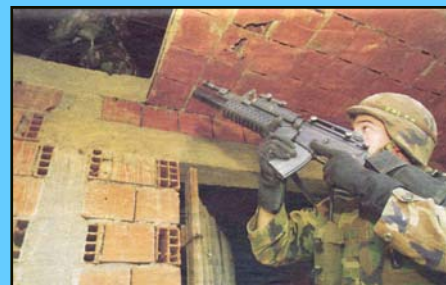
- Determine effects on ops.

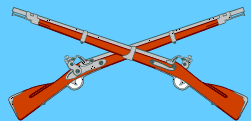
- **SHAPE... Set conditions...**

- Media... Info Ops.

- **DOMINATE... Simultaneous/ Sequential operations.**

- **TRANSITION... Control to Non-military agencies.**



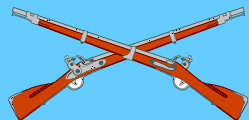


# ASSESS THROUGH...



- Intelligence preparation of the battlefield... Difficult at best... HUMINT focused.
- Brigade reconnaissance.
- Reviewing results of previous operations.
- Division reconnaissance and **Information Operations!**





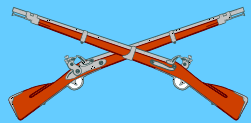
# SHAPE THROUGH...



- **Physical isolation using:**
  - Sensors & recon units
  - Lethal and non-lethal effects
  - Precision Indirect & aerial fires
  - Maneuver forces
  - Combination of above
- **Psychological isolation using:**
  - PSYOP units
  - Civil Affairs units in conjunction with JTF, DIV and coalition forces
  - Media...Information Operations





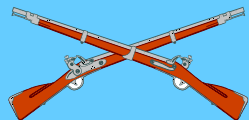


# DOMINATE THROUGH...



- Use of combined arms.
- Synchronization of precision fires to include lethal & non-lethal effects.
- Isolation of decisive points.
- Use of superior combat power to destroy high pay off targets.
- Use of close combat when necessary against decisive points.



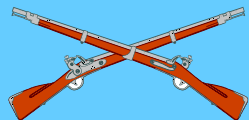


# TRANSITION...



- From offensive/defensive operations to stability/support operations or vice versa.
- Return urban area to civilian control with combat, combat support, combat service support as required.
- From being a “supported” force to a “supporting” force providing security for non governmental organizations.

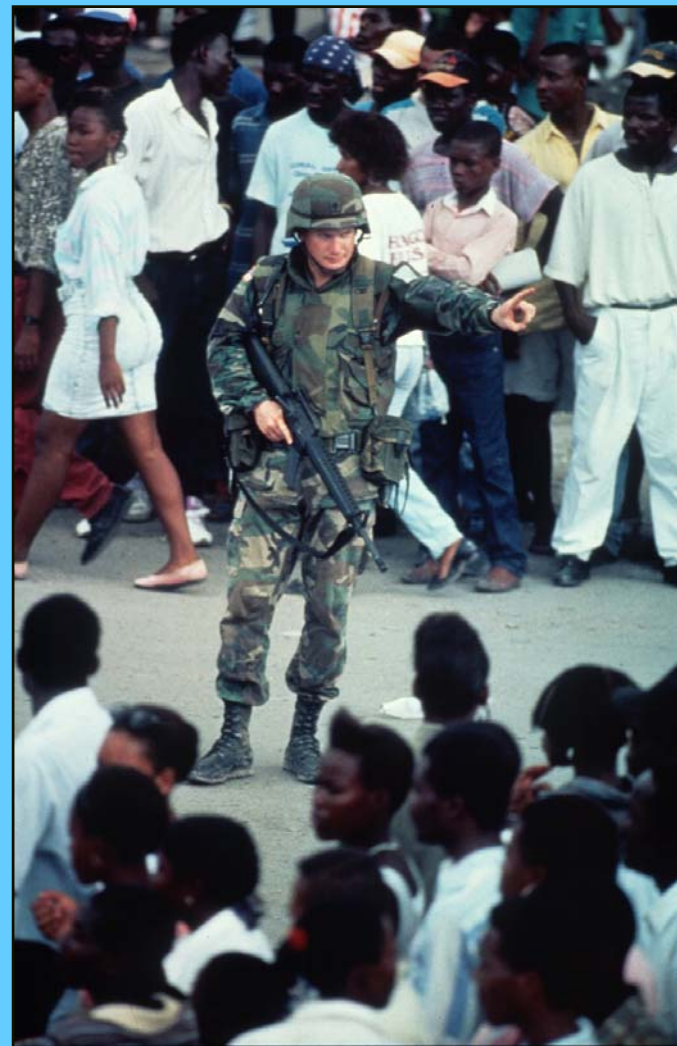




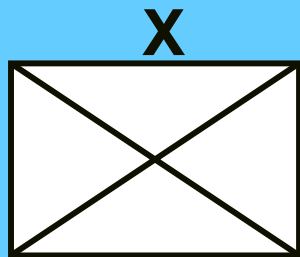
# STABILITY & SUPPORT OPERATIONS



- Uses doctrinal framework of **ASSESS, SHAPE, DOMINATE, TRANSITION**
- Subordinate units:
  - security patrols
  - searches
  - roadblocks & check-points
  - observation posts
  - defend, etc.
- All in coordination with civil authorities.



## **ELEMENTS OF BDE OFFENSIVE UO**



**ASSESS**



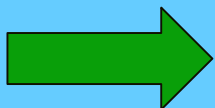
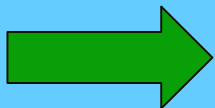
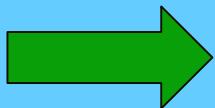
**SHAPE**



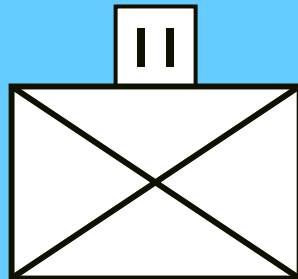
**DOMINATE**



**TRANSITION**



## **BN TF & BELOW PERFORM THESE TACTICAL TASKS**



**RECONS OBJ**



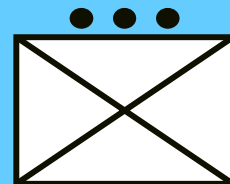
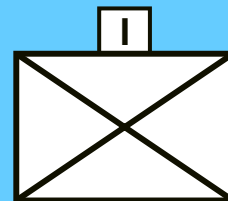
**MOVES TO OBJ/ISOLATES**



**ISOLATES/SECURES FOOTHOLD/  
CLEARS**

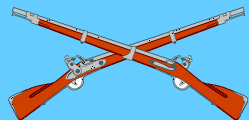


**CONSOLIDATES/REORGANIZES  
PREPS FOR FUTURE MSNS**



**BDE ATTEMPTS TO MINIMIZE  
STREET-TO-STREET AND  
BUILDING TO BUILDING FIGHTING**



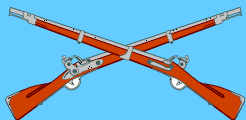


# CONCLUSIONS...



- The likelihood of major urban operations is high, and growing larger.
- Urban operations are more complicated... full spectrum operations...with required transitions.
- We must leverage doctrine with new technologies....
- Home station facilities are required to train the force.
- Urban combat will always be a close, tough fight.





# EVOLUTION OF URBAN OPERATIONS DOCTRINE



## MAJOR MOUT STUDIES

PRESENT

USAIS CBT IN  
CITIES RPT  
1971

DEF PREP ASSOC  
MOBA REPORT  
1979

DEF SCIENCE BOARD  
URBAN WARFARE RPT  
1985

DEF SCIENCE BOARD  
MOBA REPORT  
1994

GROZNEY  
1995

SARAJEVO  
1994

PANAMA CITY  
1989

BEIRUT  
1983

KHORRAMSHAR  
1980

SUEZ CITY  
1973

QUANG TRI  
1972

HUE  
1968

AACHEN  
1944

## URBAN BATTLES

## LESSONS LEARNED

PRESENT

USAIS

FM 90-10-1  
INF GUIDE TO  
URBAN CBT  
1982

USAIS

FM 90-10-1  
INF GUIDE TO  
CBT IN B/U  
AREAS  
1993

USAIS

C1, FM 90-10-1  
INF GUIDE TO  
CBT IN B/U  
AREAS  
1995

PRESENT

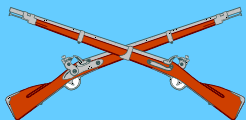
CDC

FM 31-50  
COMBAT IN  
FORTIFIED AREAS  
1955 AND 1964

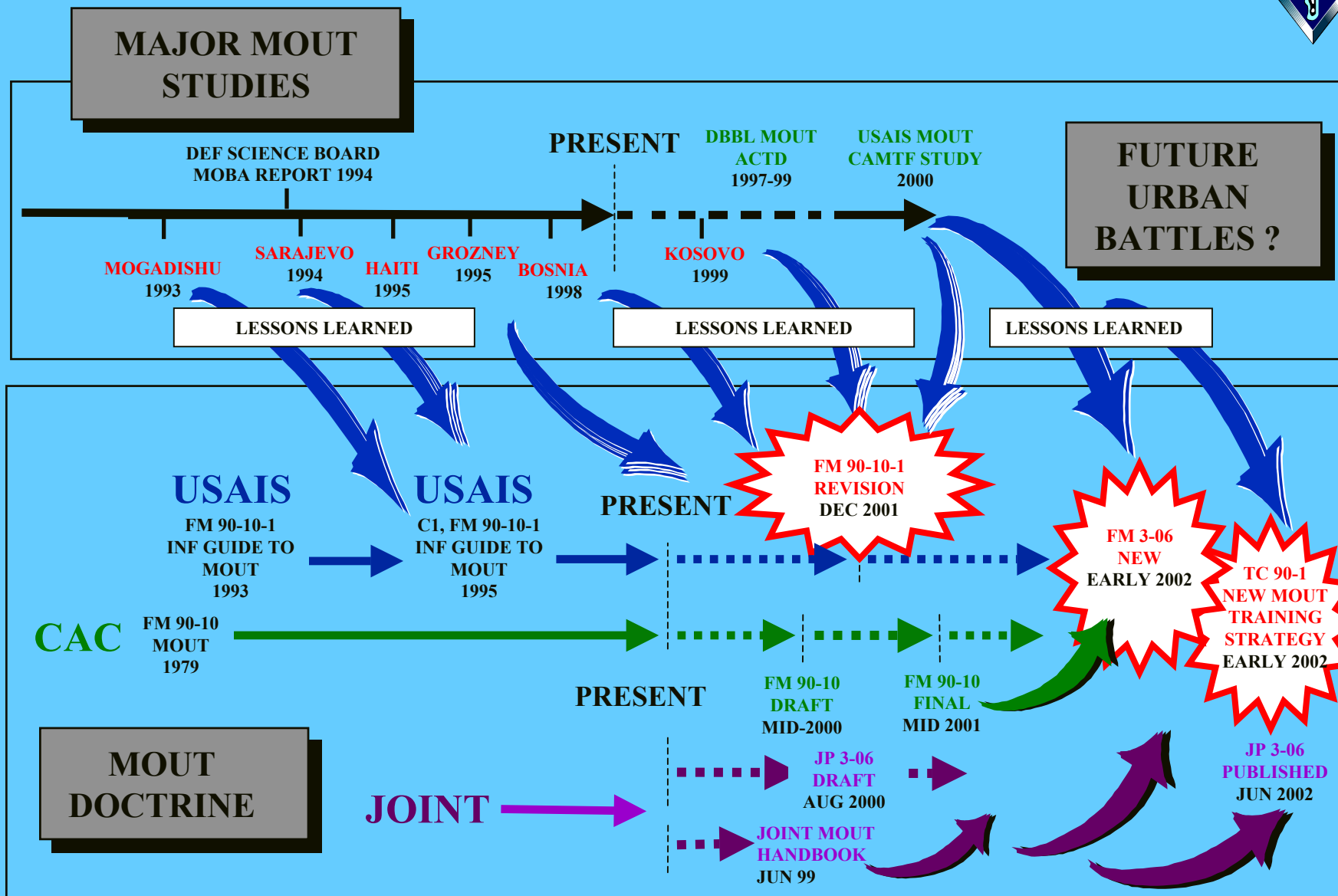
CAC

FM 90-10  
MOUT  
1979

## MOUT DOCTRINE



# FUTURE MOUT DOCTRINE

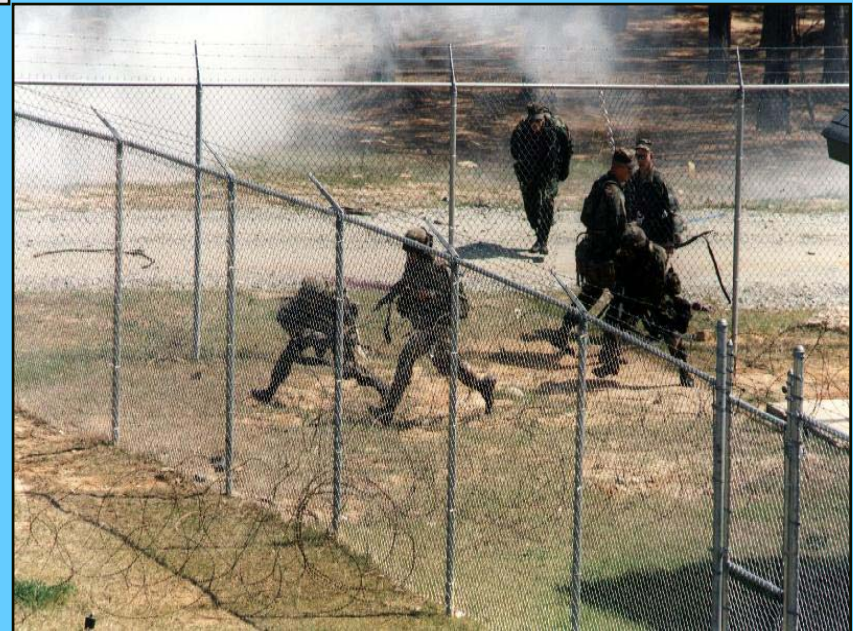




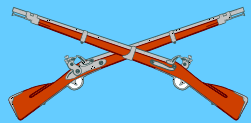
# TRAINING



- Doctrine drives training.
- Deploy from Home Station  
...to Combat Training  
Center or to operational  
area.







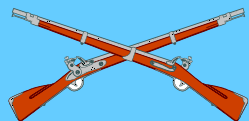
# URBAN OPNS TRAINING STRATEGY



- Update doctrine and collective Training
- Individual to battalion training facilities at home station
- Brigade urban training facilities at the CTCs
- Regional combined arms facilities
- Training facilities for forward deployed forces
- Simulations to support unit, staff training, and leader development.
- Distance learning programs that support leader training
- Virtual simulators that train leader and team urban skills

## ENDSTATE

A doctrinally sound, operationally supported, Live,  
Virtual, Constructive training environment



# LIVE TRAINING CYCLE



COMBAT  
TRAINING  
CENTER

BRIGADE TASK FORCE  
**COLLECTIVE  
TRAINING FACILITY**

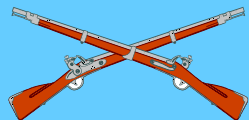
COMPANY TEAM &  
BATTALION TASK FORCE  
**COLLECTIVE  
TRAINING FACILITY**

HOME  
STATION

PLATOON & BELOW  
**URBAN ASLT CRSE, SHOOT &  
BREACH FACILITY**

RESULTS

FORCE TRAINED AND  
PREPARED TO EXECUTE  
URBAN OPERATIONS



# URBAN ASSAULT COURSE



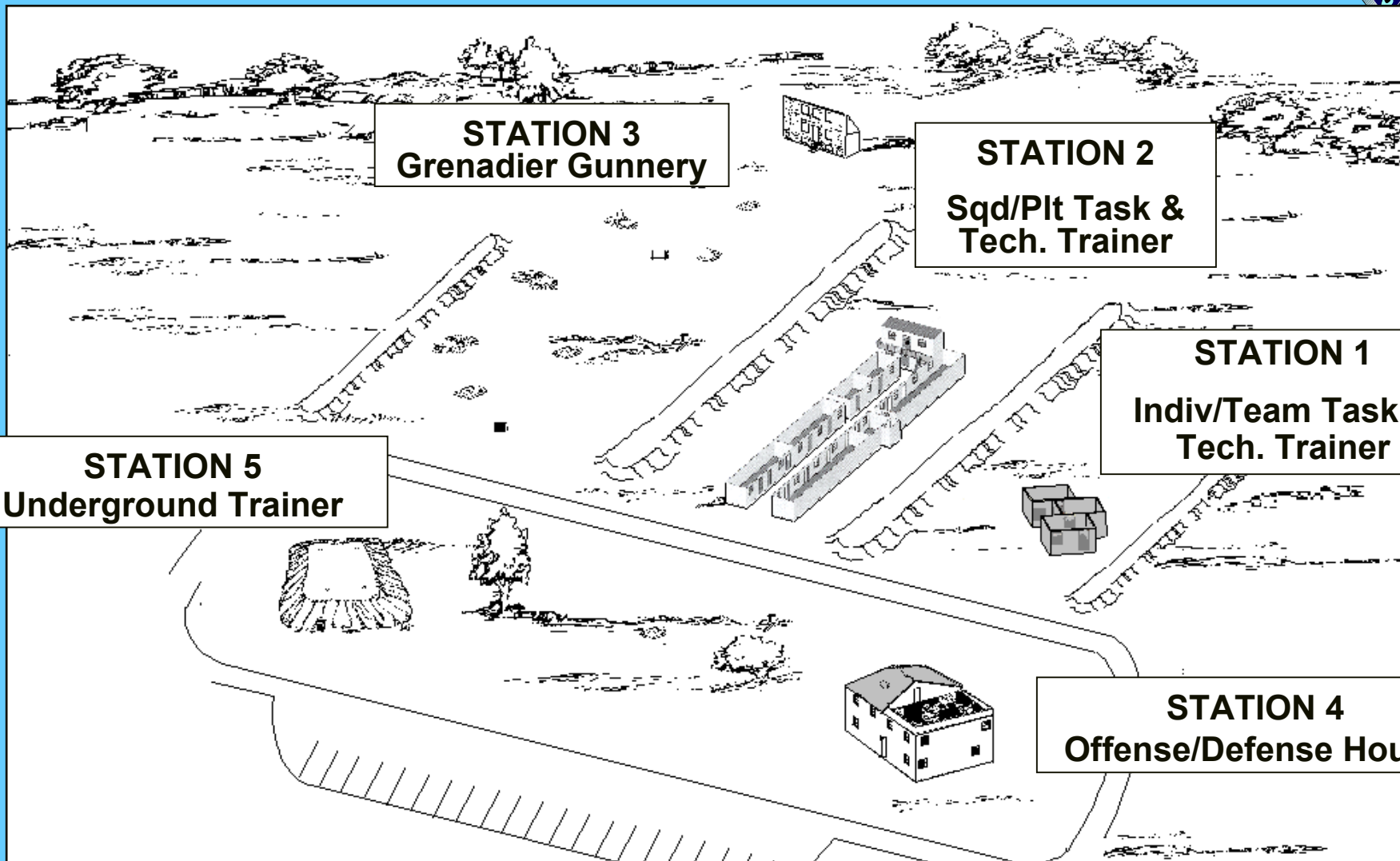
**STATION 3**  
**Grenadier Gunnery**

**STATION 2**  
**Sqd/Plt Task &  
Tech. Trainer**

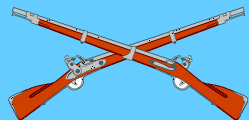
**STATION 1**  
**Indiv/Team Task &  
Tech. Trainer**

**STATION 5**  
**Underground Trainer**

**STATION 4**  
**Offense/Defense House**



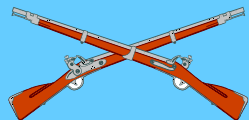




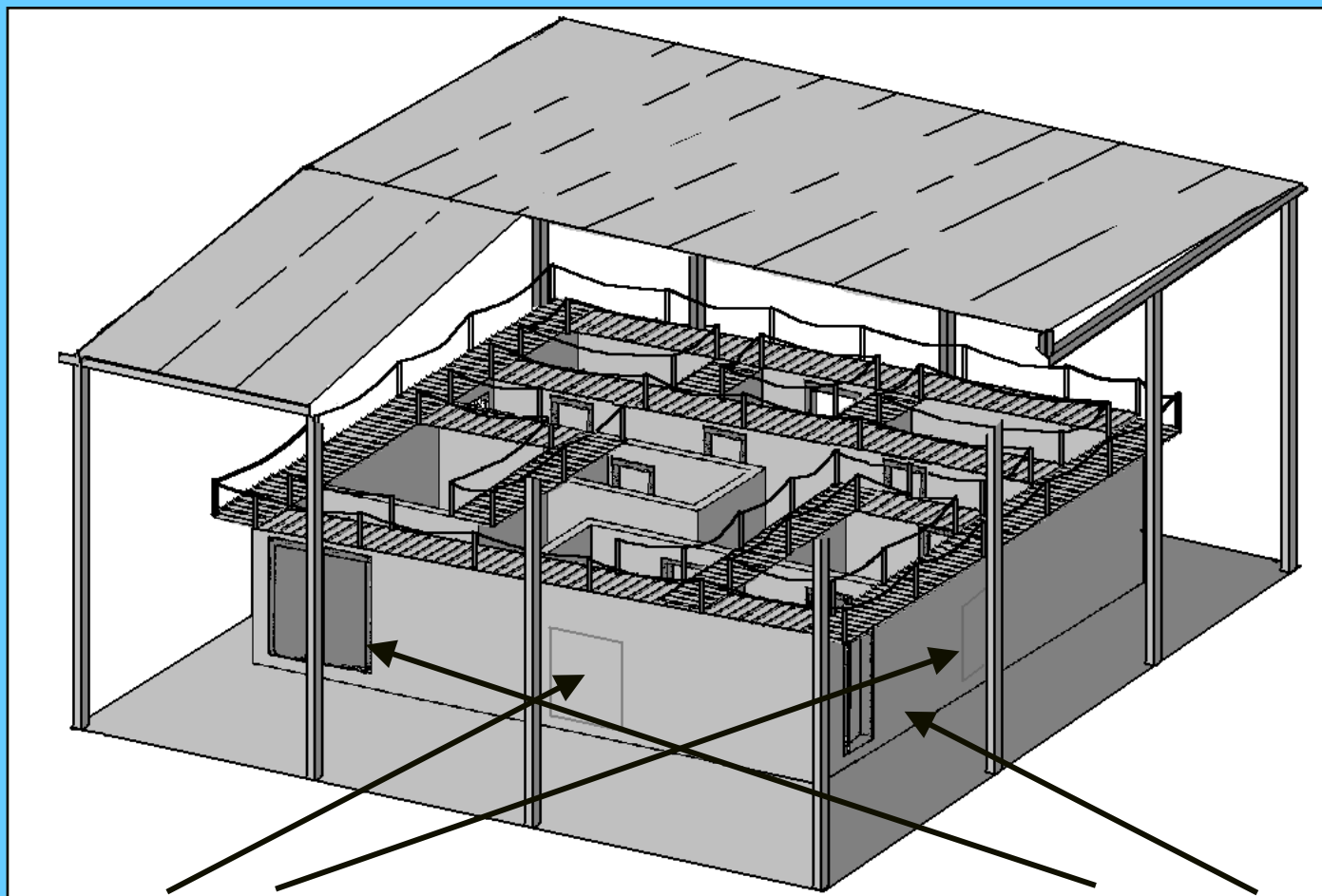
# URBAN ASSAULT COURSE



- **FEATURES: FIVE STATIONS INCLUDING TWO STORY OFFENSE/DEFENSE BUILDING AND AN UNDERGROUND TRAINER**
  - **NO INSTRUMENTATION PACKAGE**
  - **3D PRECISION TARGETRY PACKAGE**
  - **SUPPORTS TC 90-1 TRAINING STRATEGY:**
  - **PROVIDES FACILITY FOR INDIVIDUAL, SQUAD AND PLATOON TRAINING**
  - **REQUIRED TRAINING BEFORE SHOOT HOUSE OR CACTF USAGE**
  - **RECOMMENDED FREQUENCY: QUARTERLY ( ACTIVE)/  
FREQUENCY TO BE DETERMINED (NATIONAL GUARD)**

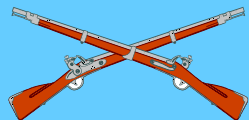


# LIVE FIRE SHOOT HOUSE



**BLOW PANELS**

**RECONFIGURABLE  
DOORS**

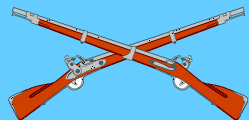


# **LIVE FIRE SHOOT HOUSE**

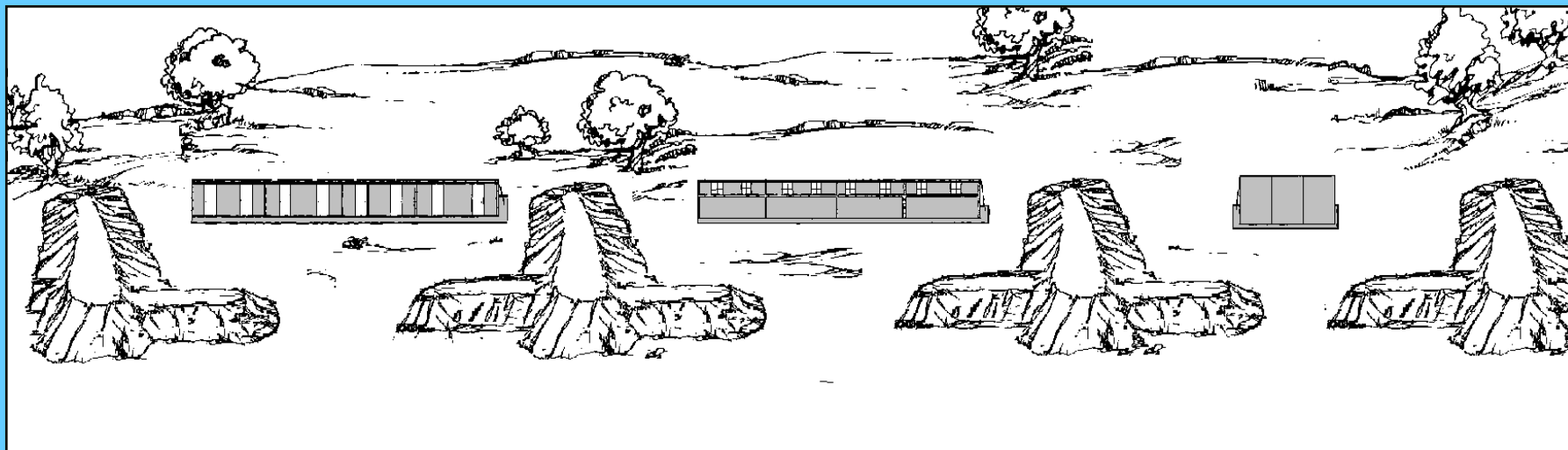


- **FEATURES: COMPLEX SINGLE STORY BUILDING WITH MULTIPLE POINTS OF ENTRY**
  - **FULL AUDIO/VIDEO INSTRUMENTATION PACKAGE**
  - **PORTABLE AAR PACKAGE**
  - **3D PRECISION TARGETRY PACKAGE**
  - **SUPPORTS TC 90-1 TRAINING STRATEGY:**
    - **PROVIDES FACILITY FOR INDIVIDUAL, SQUAD AND PLATOON LIVE FIRE TRAINING**
  - **RECOMMENDED FREQUENCY: SEMI-ANNUAL (ACTIVE)/ POST MOB (NATIONAL GUARD)**





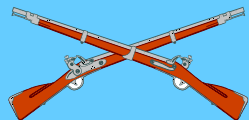
# BREACH FACILITY



**STATION 1**  
**DOOR**  
**BREACHING**

**STATION 2**  
**WINDOW**  
**BREACHING**

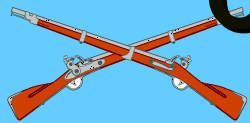
**STATION 3**  
**WALL**  
**BREACHING**



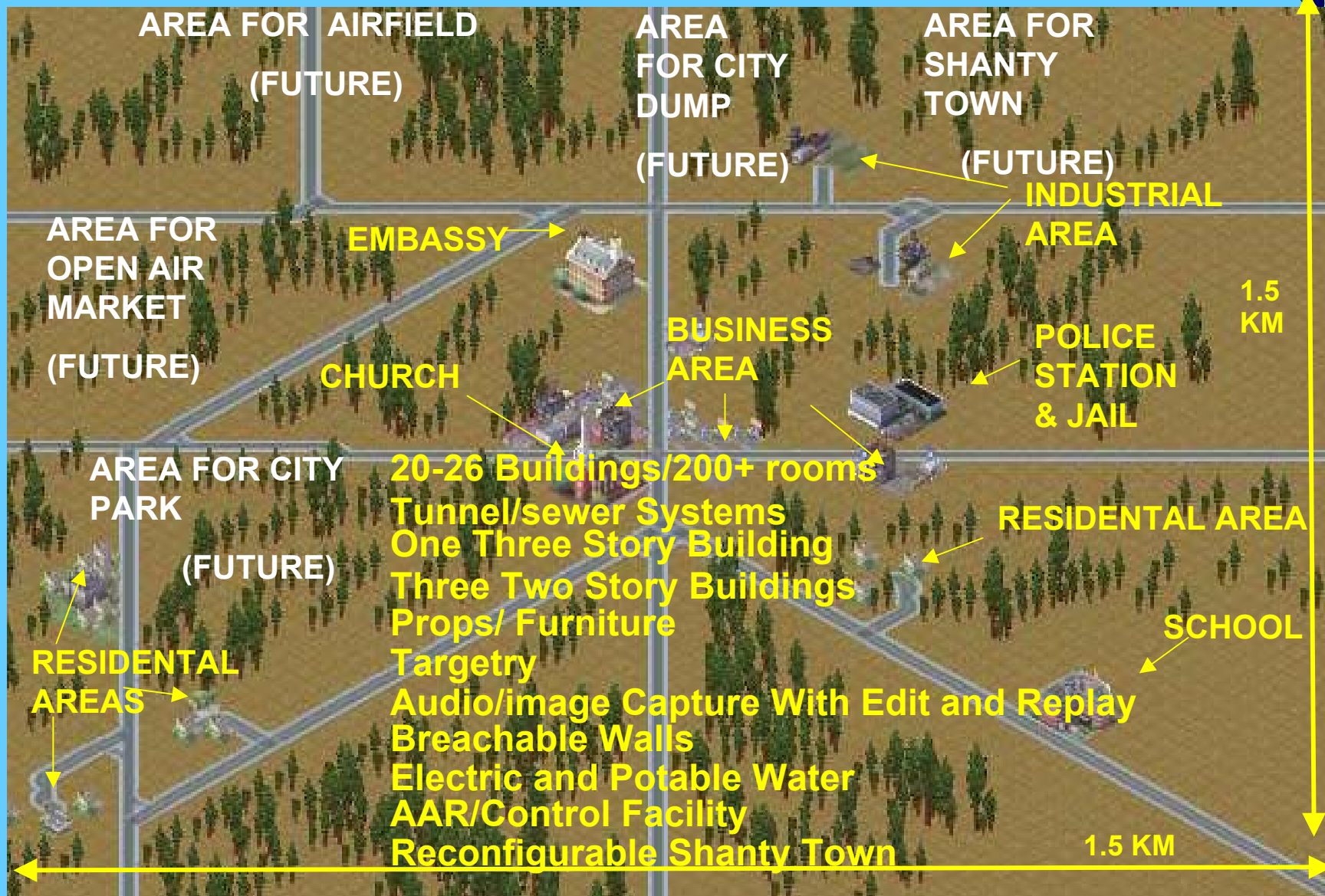
# BREACH FACILITY



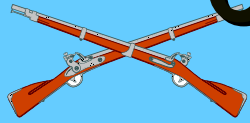
- **FEATURES: INCLUDES WALL, DOOR AND WINDOW BREACH LOCATIONS**
  - **NO INSTRUMENTATION**
  - **STRUCTURAL TARGETRY ONLY (DOOR,WALL, WINDOW)**
  - **SUPPORTS TC 90-1 TRAINING STRATEGY:**
  - **PROVIDES FACILITY FOR INDIVIDUAL, TEAM AND SQUAD TRAINING**
  - **TRAINS TECHNICAL TASKS OF MECHANICAL, BALLISTIC, THERMAL AND EXPLOSIVE BREACHING**
  - **RECOMMENDED FREQUENCY: SEMI-ANNUAL ( ACTIVE)/ POST MOB (NATIONAL GUARD)**



# COMBINED ARMS COLLECTIVE TRAINING FACILITY







# **COMBINED ARMS COLLECTIVE TRAINING FACILITY**



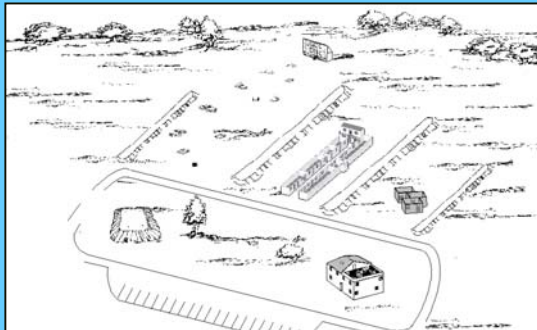
- **FEATURES: 20-26 BUILDINGS, COVERING URBANIZED AREA OF 3 SQ KM.**
- **AUDIO/VIDEO CAPTURE INSTRUMENTATION**
- **3D PRECISION TARGETRY**
- **AAR FACILITY**
- **SUPPORTS TC 90-1 TRAINING STRATEGY:**
- **PROVIDES FACILITY FOR PLATOON, COMPANY STX, AND BATTALION TF FTX**
- **SUPPORTS COMBINED ARMS TRAINING**
- **RECOMMENDED FREQUENCY: SEMI-ANNUAL (ACTIVE)  
POST MOBILIZATION (NATIONAL GUARD)**



# LIVE HOME STATION/CTC/WFC RESOURCE PRIORITY...AS PER STRATEGY



## \$1.7M URBAN ASLT CRS



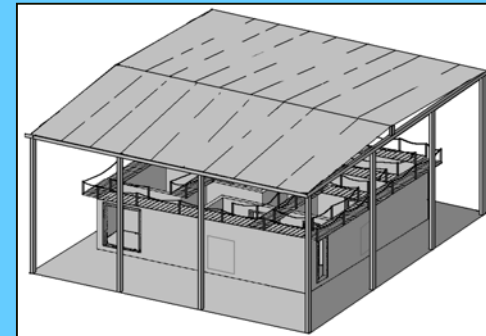
### REQUIRE CACTF, UAC, SH, AND BF

*LEWIS	☉
KOREA	●
IRWIN	●
*HOOD	☉
*STEWART	●
USAREUR	●
*SCHOFIELD	☉
*CARSON	●
RILEY	●
*POLK	☉
*BENNING	☉
CAMPBELL	☉
ALASKA	☉
*BRAGG	☉
*DRUM	☉
KNOX	☉

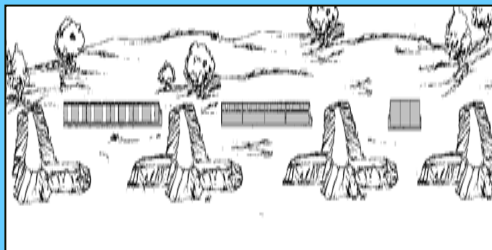
### REQUIRE UAC, SHOOT HOUSE, AND BREACH FACILITY

PICKETT	☉
*SHELBY	●
*GOWEN	●
*ATTERBURY	●
LEONARD-WD	☉
ROBERTS	●

## \$2.05M SHOOT HOUSE



## \$200K BREACH FACILITY



### REQUIRE UAC

JACKSON	●
*SILL	●
DIX	☉
MCCOY	☉

## \$30.4M CA COLLECTIVE TNG FACILITY



\* MOB STATIONS  
☉ Warfighter Center  
Power Projection Platform  
Power Support Platform

### PRIORITIZATION SCHEME

- THEATER NEEDS
- NTC
- HEAVY BEFORE LIGHT
- REGIONAL BEFORE HOME STATION

- Inadequate facilities
- ☉ Marginal facilities